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CLAIMS:

1. An improved structure of signal plug, comprising

a line-connecting portion having two metallic end pieces separated by an insulation

member, a front end of said line-connecting portion extends to form an insertion-connecting

portion;

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an outer hard metallic receiving portion being inserted therein on the front end thereof

with said line-connecting portion to form a plug main-part; and

an external sleeve connected with said plug main-part to render said insertion-

connecting portion exposed.

2. The improved structure of signal plug as in claim 1, wherein said metallic receiving

portion is made by turning of lathe work into a cylinder of phosphor bronze, of which two

ends has holes, said cylinder has on a rear cylindrical wall thereof lock holes and is excavated

on an upper side thereof to form an opening; said line-connecting portion is made of high

electric conductivity copper, of which a first end piece has a front portion in the form of a

barrel with circling petal-like blades and has an insulation member enveloped inside of the

root portion thereof, and from which a prong-like end piece extends out centrally thereof to

be separated from said first end piece.

3. The improved structure of signal plug as in claim 1, wherein a front end of said

metallic receiving portion has a shoulder, while a front end of said external sleeve has a

radially reduced portion having a through hole, a rear end of said external sleeve has a thread

for screw connecting with a fixing sleeve, so that said converter main-part is fixedly clamped

in said external sleeve.

4. The improved structure of signal plug as in claim 2, wherein a front end of said

metallic receiving portion has a shoulder, while a front end of said external sleeve has a

radially reduced portion having a through hole, a rear end of said external sleeve has a thread

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for screw connecting with a fixing sleeve, so that said converter main-part is fixedly clamped

in said external sleeve.

5. The improved structure of signal plug as in claim 1, wherein said plug main-part is

placed in said external sleeve and connected thereto, said front portion with said circling

blades of said line-connecting portion is deeply extended into said radially reduced portion

only with a part of an upper edge thereof exposed.

6. The improved structure of signal plug as in claim 2, wherein said plug main-part is

placed in said external sleeve and connected thereto, said front portion with said circling

blades of said line-connecting portion is deeply extended into said radially reduced portion

only with a part of an upper edge thereof exposed.

7. The improved structure of signal plug as in claim 3, wherein a surface of the front

end of said external sleeve is molded as a polygonal shape to be easy for assembling and

dismantling.

8. The improved structure of signal plug as in claim 4, wherein a surface of the front

end of said external sleeve is molded as a polygonal shape to be easy for assembling and

dismantling.

9. The improved structure of signal plug as in claim 2, wherein said plug main-part is

a female main-part to connect with said external sleeve.